

***EURYPAUROPUS SPINOSUS* (ARTHROPODA:
PAUROPODA: EURYPAUROPODIDAE) FROM
ARKANSAS AND A KEY TO THE NORTH
AMERICAN *EURYPAUROPUS* SPECIES^{1, 2, 3}**

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ABSTRACT: *Eurypauropus spinosus* is reported for the first time in Arkansas. A key is given to the three North American species of *Eurypauropus*.

In the closing section of his paper on the Pauropoda of the United States, Scheller (1985) notes "that there are large lacunae in the knowledge of the ranges" of most pauropod species. This paper serves to fill in one of those lacunae for *Eurypauropus spinosus* Ryder, and to provide a key, based on information from the literature whereby other workers can identify *Eurypauropus* specimens.

The family Eurypauropodidae is easily recognized by the large, sclerotized tergal plates on each body segment. These plates conceal the head, terminal segments, and the legs when viewed from above. Brues, *et al.* (1954) present a key that will allow workers to place Pauropoda in the correct families. As far as known, *Eurypauropus* is the only genus in the family Eurypauropodidae occurring in North America.

In the United States four species of *Eurypauropus* have been described, one of which has been synonymized. *Eurypauropus spinosus* appears to be the most common species and has been reported from eleven states, Fig. 4. Recent collections, listed here, add two new localities from Arkansas to the list of areas from which *E. spinosus* is known. The two Arkansas localities are as follows: Pulaski County, Pinnacle Mountain State Park, east summit trail, 25 January 1988, Robert T. Allen collector; Yell County, entrance to Mount Nebo State Park, 15 April 1988, C. E. Carlton collector.

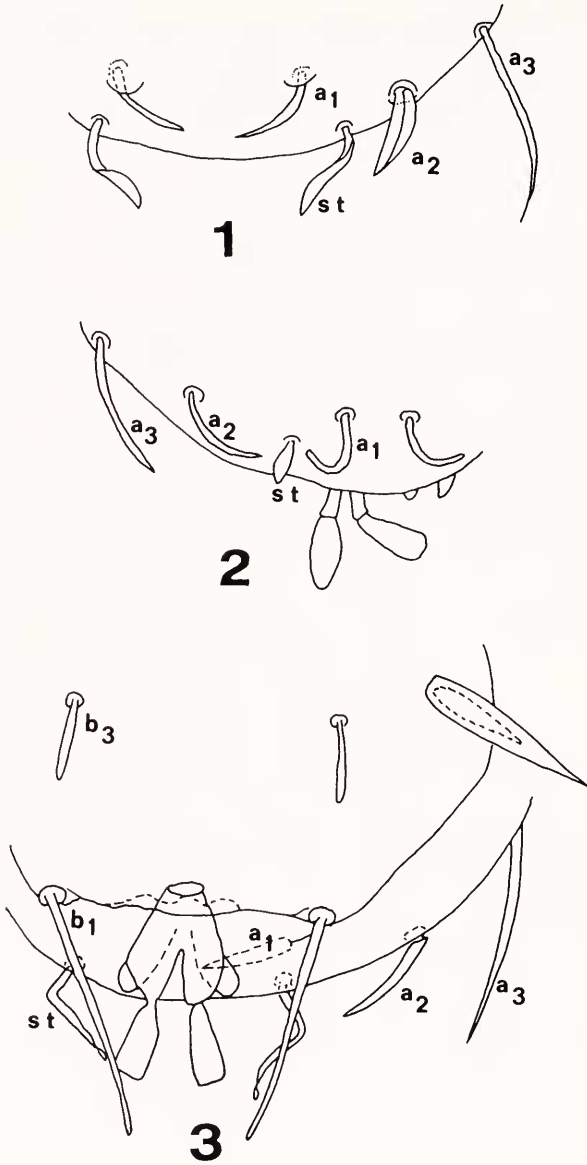
Eurypauropus californicus MacSwain & Longham was described from California, but was reduced to a synonym of *E. spinosus* by Remy (1956). In the same paper Remy described a new species, *E. unciger* from Kentucky. In the most recent and complete paper on the Pauropoda of the United States, Scheller (1985) described *E. washingtonensis* from Olympic National Park in Washington State. The following key, based on characters extracted from the papers by Remy (1956) and Scheller

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Figures 1-3. The terminal segments of the three species of *Eurypauropus* from the United States. Fig. 1, *E. spinosus* (redrawn from Remy, 1956); Fig. 2, *E. unciger* (redrawn from Remy, 1956); Fig. 3, *E. washingtonensis* (redrawn from Scheller, 1985).

(1985) will enable workers to identify *Eurypauropus* specimens from North America.

Key to North American Species of *Eurypauropus*

1. Style (*st*) of the pygidial tergum elongate (Figs. 1 & 3) 2
 Style of the pygidial tergum short, oblong-oval (Fig. 2) *unciger* Remy
2. Style elongate, straight, not bent (Fig. 1) *spinusosus* Ryder
 Style elongate, elbowed with a distinct bend (Fig. 3) *washingtonensis* Scheller.

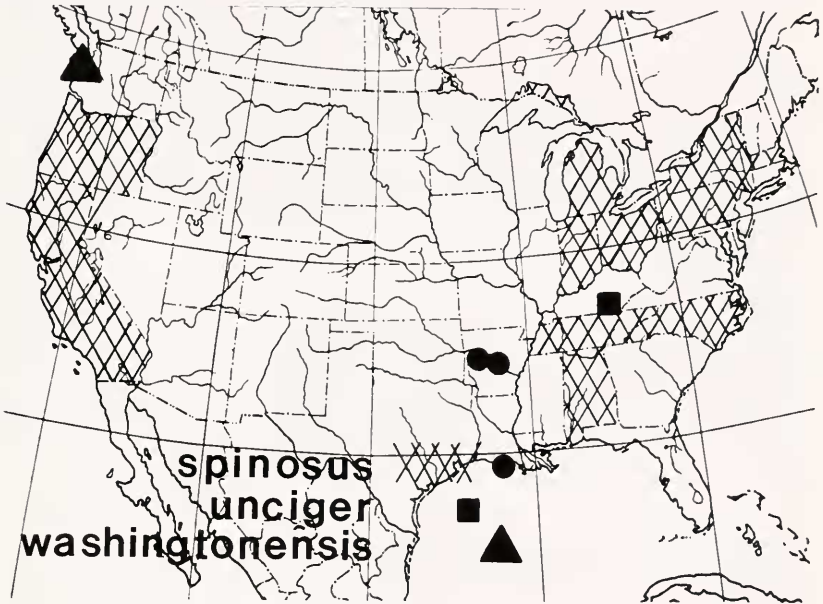


Figure 4. Map showing the distribution of *Eurypauropus* species in North America. The crosshatching for *E. spinosus* represents one or more records from a state, not a general distribution.

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